	Application No.	Applicant(s)
Notice of Allowability	10/685,929	RENTSCHLER ET AL.
	Examiner	Art Unit
	Hong C. Kim	2186
The MAILING DATE of this communication claims being allowable, PROSECUTION ON THE MER rewith (or previously mailed), a Notice of Allowance (PTOTICE OF ALLOWABILITY IS NOT A GRANT OF PATE he Office or upon petition by the applicant. See 37 CFF	ITS IS (OR REMAINS) CLOSED ir OL-85) or other appropriate commu ENT RIGHTS. This application is s	n this application. If not included unication will be mailed in due course. The
$oxtimes$ This communication is responsive to $\underline{\textit{amendment fill}}$	ed on 7/14/05.	
☑ The allowed claim(s) is/are <u>1-20</u> .		
\boxtimes The drawings filed on <u>14 October 2003</u> are accepte	d by the Examiner.	
 Acknowledgment is made of a claim for foreign pri a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documen 		or (f).
2. Certified copies of the priority documen	ts have been received in Applicatio	n No
3. Copies of the certified copies of the price	ority documents have been received	d in this national stage application from t
International Bureau (PCT Rule 17.2(a)).	
* Certified copies not received:		
pplicant has THREE MONTHS FROM THE "MAILING I oted below. Failure to timely comply will result in ABAN HIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements
A SUBSTITUTE OATH OR DECLARATION must be INFORMAL PATENT APPLICATION (PTO-152) wh		
CORRECTED DRAWINGS (as "replacement sheets	s") must be submitted.	
(a) including changes required by the Notice of Dra	aftsperson's Patent Drawing Review	v (PTO-948) attached
1) 🗌 hereto or 2) 📋 to Paper No./Mail Date		•
(b) ☐ including changes required by the attached Exa Paper No./Mail Date	miner's Amendment / Comment or	in the Office action of
Identifying indicia such as the application number (see 37 each sheet. Replacement sheet(s) should be labeled as su		
☐ DEPOSIT OF and/or INFORMATION about the attached Examiner's comment regarding REQUIRE		
tachment(s) ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of In	formal Patent Application (PTO-152)
☐ Notice of Draftperson's Patent Drawing Review (PTC		ummary (PTO-413),
☐ Information Disclosure Statements (PTO-1449 or PT		Mail Date Amendment/Comment
☐ Examiner's Comment Regarding Requirement for De	posit 8. ⊠ Examiner's	Statement of Reasons for Allowance
	9. 🔲 Other	

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Detailed Action

1. Claims 1-20 are presented for examination. This office action is in response to the amendment filed on 7/14/05.

2. The terminal disclaimer filed on 7/14/2005 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US Patent No. 6,625,702 has been reviewed and is accepted. The terminal disclaimer has been recorded.

REASONS for ALLOWANCE

3. The following is an Examiner's statement of reasons for the indication of allowable subject matter: claims 1-20 are allowable over the prior art of record because the arguments set forth in the amendment filed on 7/14/05 are persuasive and because an update of a search previously made does not detect the combined claimed elements as set forth in the claims 1-20. Specifically, claims are allowable over the prior art of record because none of the prior art of record teaches or fairly suggests 1) a memory controller comprises a memory to store indications of data/strobe ratios, subsets of strobe drivers, and a switching network to associate at least some of the strobe receivers with at least some of data receivers, wherein the switching network receives addressed indications of data/strobe ratios during read cycles of the memory controller, and wherein the switching network associates different ones of the strobe receivers with the data receivers in response to different indications of data/strobe ratios; 2) a memory

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controller comprises a memory to store indications of data/strobe ratios that are required to access memory devices; and a memory interface through which the memory controller initiates data transmissions with the memory devices; wherein, for a data transmission initiated with a particular one of the memory devices, the ratio of data signals to strobe signals sent/received through the interface is dynamically determined in response to a corresponding indication of a data/strobe ratio stored in the memory; and 3) a memory controller comprises a plurality of data pads; a plurality of strobe pads; means for reading a data width from each of a number of memory devices and means for associating ones of the strobe pads with ones of said data pads when communicating with the memory devices, in one or more of a plurality of data/strobe ratios supported by the memory controller, and in data/strobe ratio(s) determined by the data width(s) read from the number of memory devices as described in the specification and together with combination of other claimed element as set forth in the claims.

Therefore, claims 1-20 are allowable over the prior art of records.

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4. Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons For Allowance."

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5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Hong C Kim whose telephone number is (571) 272-

4181. The examiner can normally be reached on M-F 9:00 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Matt M Kim can be reached on (571) 272-4182. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

6. Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

7. Any response to this action should be mailed to:

Commissioner of Patents

P.O. Box 1450

Alexandria, VA 22313-1450

or faxed to TC-2100:

571-273-8300

Hand-delivered responses should be brought to the Customer Service Window (Randolph Building, 401 Dulany Street, Alexandria, VA 22314).

HK

Primary Patent Examiner July 30, 2005

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